**FINAL GROUP PROJECT - TEXT DOCUMENT**

**Outline the progress you have made this week, noting any significant developments in areas like data sourcing, data cleaning, problem interpretation, model selection, model inspection and interpretation, model evaluation**

During this week we worked on various models to predict stock prices based on historical data.

**Cite any resources you have made use of**

We went through below websites and articles to understand and implement the prediction models in our project.

* Linear regression: <https://towardsdatascience.com/introduction-to-machine-learning-algorithms-linear-regression-14c4e325882a>
* Logistic regression: <https://towardsdatascience.com/understanding-logistic-regression-step-by-step-704a78be7e0a>
* KNN: <https://www.analyticsvidhya.com/blog/2018/03/introduction-k-neighbours-algorithm-clustering/>
* Auto ARIMA: <https://www.analyticsvidhya.com/blog/2018/08/auto-arima-time-series-modeling-python-r/>
* Prophet: <https://medium.com/open-machine-learning-course/open-machine-learning-course-topic-9-part-3-predicting-the-future-with-facebook-prophet-3f3af145cdc>
* Long Short Term Memory (LSTM): <https://towardsdatascience.com/illustrated-guide-to-lstms-and-gru-s-a-step-by-step-explanation-44e9eb85bf21>

**Include a brief statement of group member contributions. Group members may each submit identical work for this assignment.**